

In the claims:

1. (Currently amended) A rotor assembly for an electrical machine, ~~including~~
comprising:

a body of generally cylindrical shape said body having an inner opening,
wherein a plurality of slots are provided in the body, ~~the~~ said plurality of slots
extending from ~~the~~ said inner opening towards the outer periphery of ~~the~~ said body;
permanent magnets disposed in said plurality of slots;
wherein at least one of ~~the~~ said plurality of slots comprises an end section near the
outer periphery of ~~the~~ said body, the end section having an area of enlarged width.

2. (Currently amended) A rotor assembly according to Claim 1 wherein ~~the~~ said
plurality of slots are closed at said end sections near the outer periphery of ~~the~~ said body;
~~and the slots include recesses creating said areas of enlarged width near the outer~~
~~periphery.~~

3. (Currently amended) A rotor assembly according to Claim 1 wherein ~~the~~ said
permanent magnets terminate short of said ~~area of enlarged width.~~ end section.

4. (Currently amended) A rotor assembly according to Claim 1 wherein ~~the~~ said
permanent magnets extend into said ~~area of enlarged width.~~ end section.

5. (Currently amended) A rotor assembly according to Claim 1 wherein said end section
is filled by a medium having no magnetic properties.

6. (Currently amended) A rotor assembly according to Claim 1 wherein ~~the rotor~~ said
body comprises a magnetic core.

7. (Currently amended) A rotor assembly according to Claim 1 wherein ~~the~~ said ~~plurality of slots including the magnets~~ extend ~~approximately~~ generally radially through said body.
8. (Currently amended) A rotor assembly according to Claim 1, wherein said inner opening is configured for coaxially mounting ~~the~~ said body on a shaft.
9. (Currently amended) A rotor assembly according to Claim 8 wherein ~~the~~ said body is mounted on ~~the~~ said shaft ~~via~~ by a hub.
10. (Currently amended) A rotor assembly according to Claim 9 wherein ~~the~~ said hub is ~~of~~ comprises a non-magnetic material.
11. (Currently amended) A rotor assembly according to Claim 1 wherein the outer periphery of ~~the~~ said body has a convex ~~or concave~~ shape between two adjacent permanent magnets.
12. (Currently amended) A permanent magnet motor comprising
a rotor assembly ~~for an electrical machine, including~~ with a body of generally cylindrical shape having an inner opening; ~~wherein a plurality of slots are provided in the~~ said body, ~~wherein the slots extending~~ extend from the inner opening towards the outer periphery of the said body, ~~permanent magnets disposed in said slots, and~~ wherein at least one of ~~the~~ said slots comprises an end section near the outer periphery of the body said end section having an ~~area of~~ enlarged width; permanent magnets disposed in said slots; and a stator, ~~cooperating with said rotor assembly.~~

--Please add Claims 13 – 21.

13. **(New)** A rotor assembly according to Claim 2 wherein said plurality of slots include recesses.

14. **(New)** A rotor assembly according to Claim 7 wherein said permanent magnets disposed in said plurality of slots extend generally radially through said body.

15. **(New)** A rotor assembly according to Claim 1 wherein the outer periphery of said body has a concave shape between two adjacent permanent magnets.

16. **(New)** A method of improving the performance of an electric machine comprised of a stator and a rotor assembly with a body of generally cylindrical shape having an inner opening, the method including the steps of:

(a) providing a plurality of slots in the rotor assembly wherein the plurality of slots extend from the inner opening towards the outer periphery of the rotor assembly;

(b) disposing permanent magnets in the plurality of slots;

(c) enlarging the area of an end section of at least one of the plurality of slots to thereby improve the performance of the electric machine.

17. **(New)** The method of Claim 16 wherein each slot in said plurality of slots has an area of enlarged width.

18. **(New)** The method of Claim 16 wherein the step of disposing permanent magnets further includes adjusting the length of each permanent magnet.

19. **(New)** The method of Claim 18 wherein adjusting the length of each permanent magnet comprises fully extending the permanent magnet into the end section.

20. (New) The method of Claim 18 wherein adjusting the length of each permanent magnet comprises partially extending the permanent magnet into the end section.

21. (New) The method of Claim 18 wherein adjusting the length of each permanent magnet comprises no extension of the permanent magnet into the end section.

REMARKS

The claims of the subject application were amended to correct a number of informalities. New Claims 13-21 were added.

Respectfully submitted,



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